

# Stepwise Introduction to 'Practical' HPLC

(This course is in two separate 1 day parts)

## Who should take this course?

This course is in two separate 1 day 'stepwise' parts for ease of learning and covers the essential concepts and operational principles of High Performance Liquid Chromatography. This course is for you if you are involved in HPLC or are going to be involved in HPLC, in a practical, hands on capacity. No previous HPLC training is necessary, although a basic understanding of HPLC would be helpful. Delegates will receive the greatest benefit by registering for both parts, although it is entirely possible to take either part independently from the other.

## What does it cover?

This course explains in practical, easy to understand terms:

### Part One

- The basic principles of HPLC
- Different modes of HPLC
- HPLC Instrumentation
- Basic troubleshooting

### Part Two

- The nature of HPLC columns
- Mobile phase solvents and their characteristics
- Gradient elution

## What will I get from this course?

This course will enable you to acquire a good understanding of the fundamental principles of HPLC and learn ways in which you can make your chromatography easier and more efficient. If you've never taken a formal course, or if you need a refresher, this is an ideal course for you.

## Course Outline

### Part One

Definition of chromatography  
Basic principles of chromatographic separations  
Different modes of HPLC  
HPLC instrumentation  
Basic troubleshooting

### Part Two

Materials used for HPLC columns  
Reversed-phase HPLC  
Mobile phases  
Gradient elution

**Available as an in-house or off-site course. Contact us for details**



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